LAMPIRAN

Perhitungan Jumlah Responden

N_A= 615 unit

$W_A = \frac{1}{10}$

P_A= 0.92

Q_A= 0.08

- Responden rumah tipe A

$$n_A = \frac{\sum_{i=1}^{k} \frac{N_A^2 P_A Q_A}{w_A}}{N^2 D + N_A P_A Q_A}$$

$$= \frac{(615^2) x 0.92 x 0.08 x 10}{(6160)^2 0.000625 + 615 x 0.92 x 0.08}$$

$$= 11{,}71545215 \approx 12$$

- Responden rumah tipe B

N_B= 1850 unit

$W_B = \frac{3}{10}$

P_B= 0.88

Q_B= 0.12

$$N_B = \frac{\sum_{i=1}^{k} \frac{N_B^2 P_B Q_B}{w_B}}{N^2 D + N_B P_B Q_B}$$

$$= \frac{\frac{(1850^2) x 0.88 x 0.12}{0.3}}{(6160)^2 0.000625 + 1850 x 0.88 x 0.12}$$

$$= 50.38274695 \approx 51$$

♣ Responden rumah tipe C

N_C= 3695 unit

$W_C = \frac{6}{10}$

P_C= 0.84

Q_C= 0.16

$$N_C = \frac{\sum_{i=1}^{k} \frac{N_C^2 P_C Q_C}{w_C}}{N^2 D + N_C P_C Q_C}$$

$$= \frac{\frac{(3695^2)x0.84x0.16}{0.6}}{(6160)^2 0.000625 + 3695x0.84x0.16}$$

$$= 126.3093013 \approx 127$$